

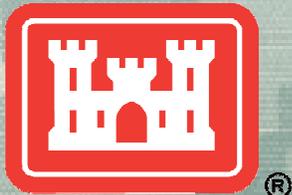
# EO 13514 Section 2 Workshop, C&D Materials Re-use and Recycling *Tools and Resources*

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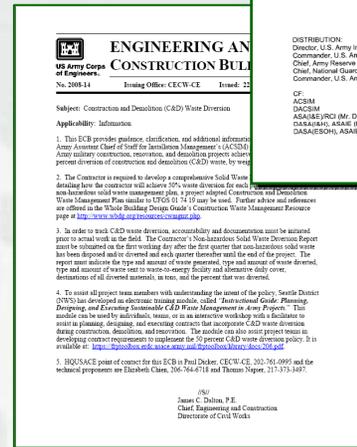
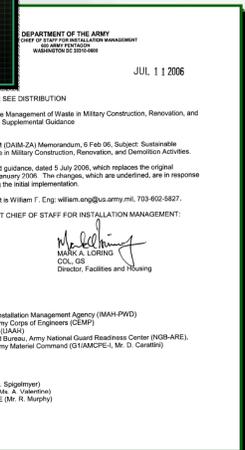
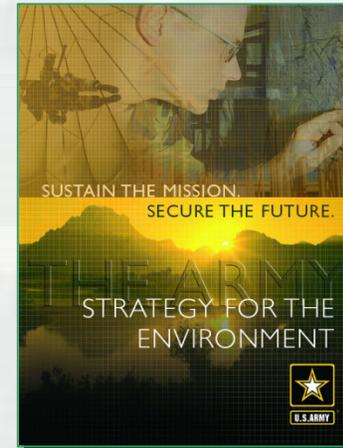
***Washington DC***

***26 August 2010***



# POLICY

- **Some Army policy documents**
  - *Army Strategy for the Environment*
  - *Office of the Assistant Chief of Staff for Installations Management (OACSIM) “Sustainable Management of Waste in Military Construction, Renovation, and Demolition Activities”*
  - *Corps of Engineers Engineering & Construction Bulletin “Construction & Demolition Waste Diversion”*



# TOOLS

- **Whole Building Design Guide / Construction Criteria Base**

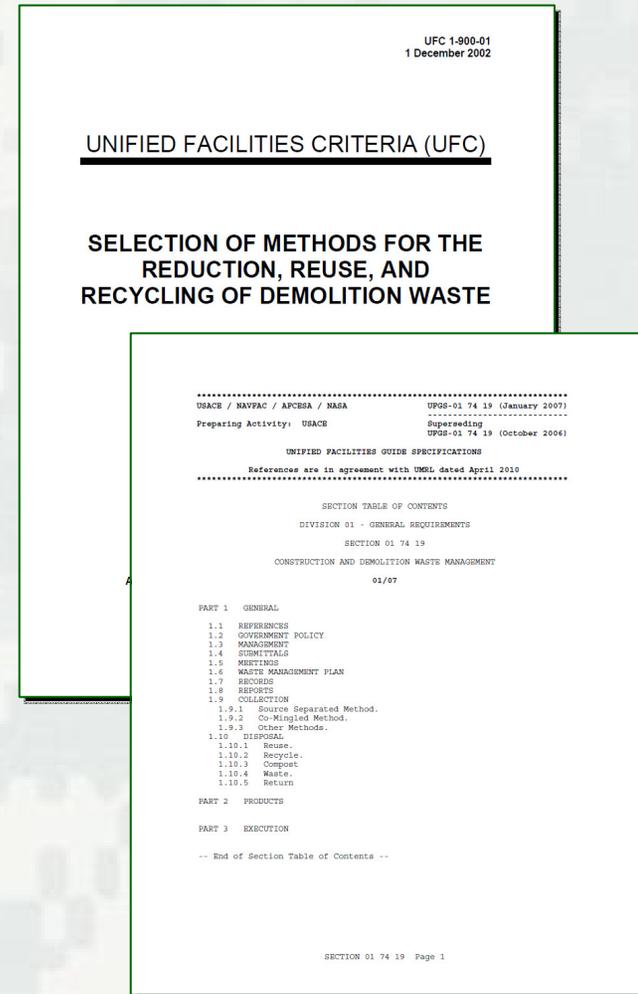
— <http://www.wbdg.org/ccb/ccb.php>

The screenshot shows the website for the Construction Criteria Base (CCB), a program of the Whole Building Design Guide (WBDG). The page is titled "Construction Criteria Base (CCB)" and is described as "a library service of the Whole Building Design Guide". The main content area provides an overview of the CCB, stating it is an extensive electronic library of construction guide specifications, manuals, standards, and other essential criteria documents. It mentions that the CCB contains the complete unabridged, approved, current electronic equivalents of over 10,000 documents direct from participating federal agencies. The page also lists various libraries available, including Specifications Library, Regulations Library, Standards Library, Documents Library, CAD Library, and Tools Library. A search bar is located on the right side of the page, and there are links for "COMMENT ON THIS PAGE" and "BOOKMARK AND SHARE".



# TOOLS

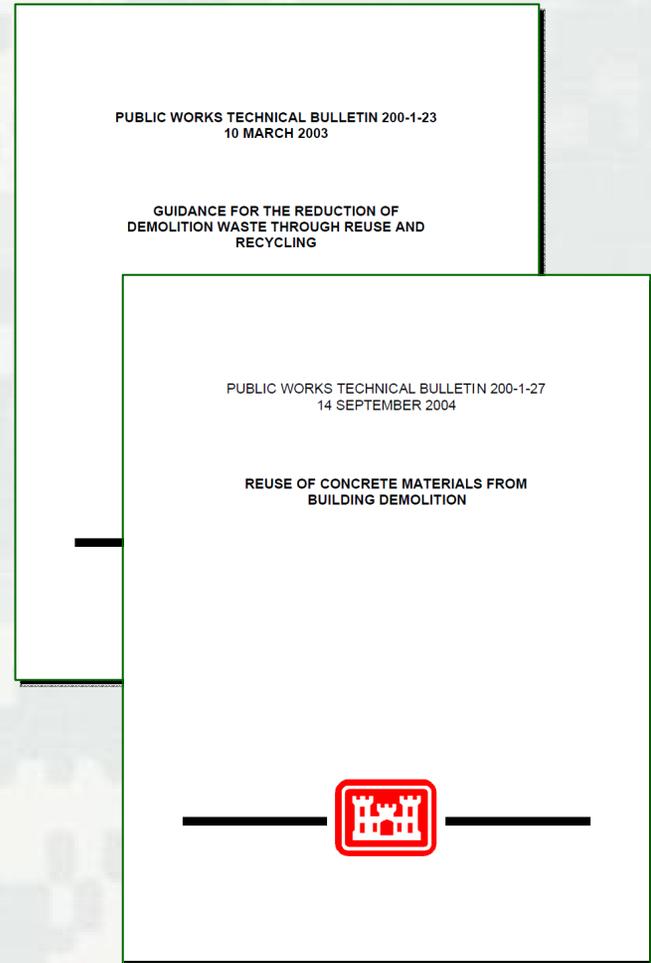
- **Federal UFC / UFGS**
  - [http://www.wbdg.org/ccb/browse\\_cat.php?o=31&c=215](http://www.wbdg.org/ccb/browse_cat.php?o=31&c=215)
  - *UFC 1-900-01 Selection of Methods for the Reduction, Reuse and Recycling of Demolition Waste*
  - *UFGS 01 62 35 Recycled/Recovered Materials*
  - *UFGS 01 74 19 Construction and Demolition Waste Management (SEE GREEN VERSION)*
  - *UFGS 02 41 00 Demolition and Deconstruction (SEE GREEN VERSION)*



# TOOLS

- **Selected Army PWTBs**

- <http://www.wbdg.org/ccb/browse.org.php?o=70>
- *200-1-23, Guidance for the Reduction of Demolition Waste Through Reuse and Recycling*
- *200-1-24, Quantifying Waste Generated From Building Remodeling*
- *200-1-7, Recycling Interior Finish Materials - Carpet and Ceiling Tiles*
- *200-1-44 Recycling Exterior Materials*



# TOOLS

- **USACE FRP Best Practices Toolbox**

- <https://frptoolbox.erdc.usace.army.mil/frptoolbox/>

- *Best Practices*

- *Demolition cost estimating*

- *Library*

- *Diversion, recycling & salvage*
- *Interactive Instructional Guide (Under “CERL Library”)*

The screenshot shows the homepage of the 'Facilities Reduction Program Best Practices Toolbox'. The header includes the program name and logos for the Army Corps of Engineers and the Environmental Restoration Center. The main content area is divided into several sections: 'Estimating Tools' (Facility Estimate, Project Estimate), 'Project Resources' (Library, Best Practices, FRP Funding), 'Toolbox News' (with recent news items), and 'New Users' (Toolbox Overview, Estimate Methodology, Construction Type Categories, FAQs, Quarterly Newsletter). There are also links for 'Submit Comments', 'Submit a Lesson Learned', 'Submit Project Data', and 'Contact Directory'.

The collage consists of several photographs: a large window being lifted by a crane, a worker in a hard hat and safety vest working on a wooden structure, a stack of metal beams, and a view through a doorway into a construction site.

**Instructional Guide:**  
**Planning, Designing, and Executing Sustainable C&D Waste Management in Army Projects**

[Introduction](#)



# TOOLS

- **WasteCap Resource Solutions**
  - *TRACE C&D tracking & documentation system*

WasteCapTRACE

WasteCapTRACE provides a unified online system to document waste flow from construction sites across the country.

WasteCap Resource Solutions' new system, [WasteCapTRACE](#), is a simple, powerful and effective online documentation program that tracks ongoing construction and demolition debris recycling and documents the results.

WasteCap Email Bulletin  
Sign up for WasteCap's free monthly email bulletin. Simply



# TOOLS

- **Associated General Contractors of America**
  - *Recycling Toolkit* [www.agc.org/cs/recycling\\_toolkit](http://www.agc.org/cs/recycling_toolkit)

FIND A MEMBER FIND A CHAPTER  
LOGIN | CREATE A PROFILE

AGC of America  
THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA  
Quality People. Quality Projects.

SEARCH BOOKSTORE

ABOUT AGC ADVOCACY **INDUSTRY TOPICS** CONSTRUCTION MARKETS PROGRAMS & EVENTS CAREER DEVELOPMENT NEWS & MEDIA

## RECYCLING TOOLKIT

Home > Industry Topics > Environment > Recycling Toolkit > How do I...

### How do I...

#### Recycle the C&D Materials Generated at My Site?

- [Start recycling](#)
- [Do I have to separate?](#)
- [Saving money](#)
- [C&D materials of concern](#)

#### Use Recycled Industrial Materials in New Construction?

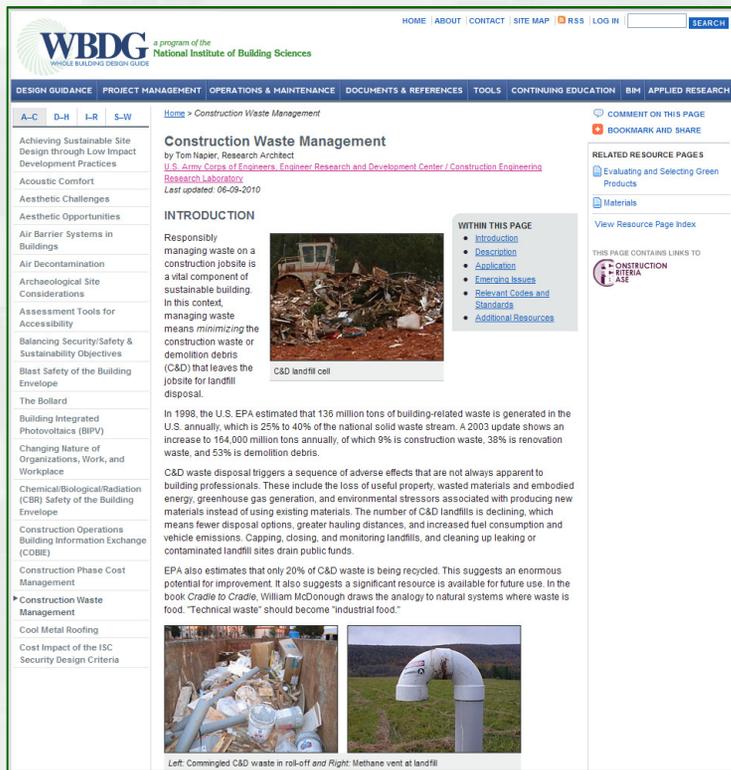
- [In building construction](#)
- [Getting green building certification points](#)
- [In road construction](#)
- [Finding a supplier](#)

CONSTRUCTION CONTRACTS  
SAFETY & HEALTH  
CONSTRUCTION ECONOMICS  
LABOR & HR  
ENVIRONMENT  
Environmental Resources  
Environmental Solutions Series  
Environmental Acronyms

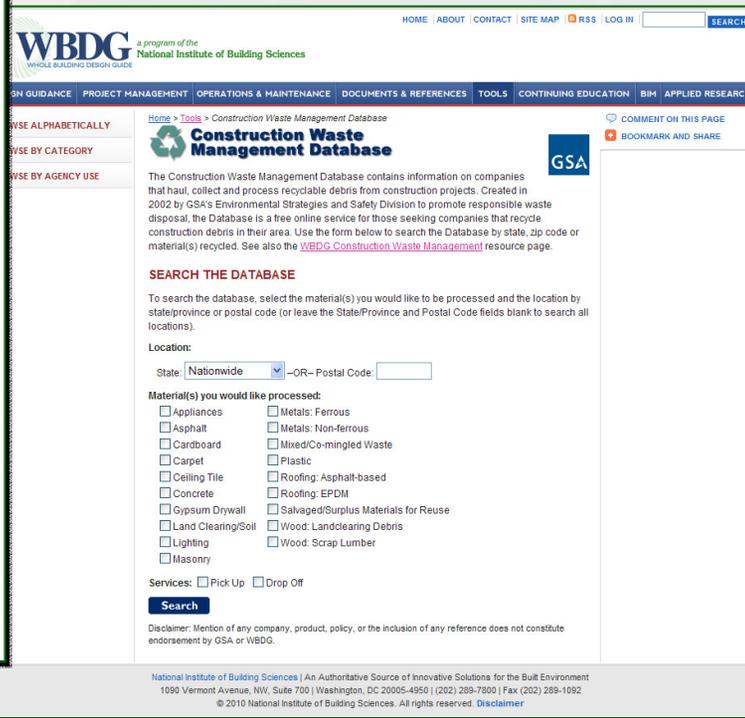


# RESOURCES

- **Whole Building Design Guide**
  - *Construction Waste Management Resource Page*
  - *Construction Waste Management Database*



The screenshot shows the WBDG website's "Construction Waste Management" resource page. The page is titled "Construction Waste Management" and is authored by Tom Naper, Research Architect at the U.S. Army Corps of Engineers. It includes an introduction to responsible waste management, a list of related resources, and two photographs: one of a C&D landfill cell and another of a methane vent at a landfill. The page also features a sidebar with navigation links and a search bar.



The screenshot shows the WBDG Construction Waste Management Database search interface. The page is titled "Construction Waste Management Database" and is a program of the National Institute of Building Sciences. It includes a search form with fields for "Location" (State and Postal Code) and "Material(s) you would like processed". The search form also includes a "Search" button and a disclaimer. The page also features a sidebar with navigation links and a search bar.



# RESOURCES

- *See WBDG Resource Page ...*
  - *Building Materials Reuse Association*
  - *Construction Materials Recycling Association*
  - *USEPA C&D websites*
  - *California Integrated Waste Management Board*
  - *King County WA*
  - *North Carolina Department of Natural Resources*
  - *Lake County IL*
  - *Hawaii Department of Business & Economic Development*
  - *Massachusetts Department of Environmental Protection*
  - *Air Force Center for Environmental Excellence C&D Waste Management Guides*
  - *WasteCap Resource Solutions*
  - *Institution Recycling Network*



# RESOURCES

- *Find C&D materials recyclers & reuse stores*
  - [www.wbdg.org/tools/cwm.php](http://www.wbdg.org/tools/cwm.php)
  - [www.cdrecycling.org/find.html](http://www.cdrecycling.org/find.html)
  - [www.bmra.org/directory](http://www.bmra.org/directory)
  - [www.habitatforhumanity.org](http://www.habitatforhumanity.org)
  - *Contact your state:* [www.cicacenter.org](http://www.cicacenter.org)
  - *Carpet:* [www.carpetrecovery.org](http://www.carpetrecovery.org)
  - *Online marketplaces:* [www.planetreuse.com](http://www.planetreuse.com)
  - [www.americanbuildersurplus.com](http://www.americanbuildersurplus.com)



# RESOURCES



## DECON '11

Join us for the next **Building Materials Reuse Association Conference** on deconstruction, building materials reuse, and construction/demolition debris recycling.

**May 15-19, 2011**  
**Yale University**  
New Haven, Connecticut

**Topics of Interest:**

- Resource Conservation
- Green Building
- Building Removal
- Materials Salvage
- Recycling
- Workforce Development
- Community Development
- Distressed Neighborhood Transformation
- Historic Buildings

**SAVE THE DATE**

For more information, visit us at [www.bmra.org](http://www.bmra.org)



[www.bmra.org](http://www.bmra.org)



# QUESTIONS?



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